



IFW

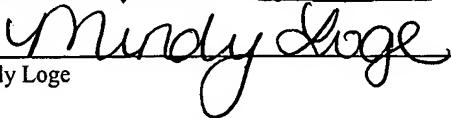
PATENT  
Docket No.: P-10966.00 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lisa Shafer  
Application No.: 10/820,677  
Filed: April 8, 2004  
For: Device and Method for Attenuating AB Immune Response

Group Art Unit: 3762  
Examiner: Not Assigned Yet  
Due Date:

**CERTIFICATE OF MAILING OR TRANSMISSION** I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on April 19, 2005.

  
Mindy Loge

TRANSMITTAL LETTER

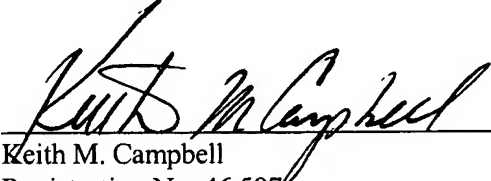
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Enclosed for filing in the above-identified application are the following:

- ☒ Information Disclosure Statement
  - ☒ PTO Form 1449
  - ☒ Cited References
- ☒ Return Receipt Postcard
- ☒ The Commissioner is hereby authorized to charge or credit any deficiencies or overpayments, which may have been overlooked on this Transmittal Letter with regard to this filing, to Deposit Account No. 13-2546.

Respectfully submitted,

Date: April 19, 2005

  
Keith M. Campbell  
Registration No. 46,597  
MEDTRONIC, INC.  
710 Medtronic Parkway NE, MS: LC340  
Minneapolis, MN 55432-5604  
Telephone: 763-505-0405  
Facsimile: 763-505-0411  
Customer No.: 27581



PATENT  
Docket No.: P-10966.00 US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Lisa Shafer  
Application No. 10/820,677  
Filing Date: April 8, 2004  
Title: Device and Method for Attenuating AB Immune Response

---

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop : Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing of the first Office Action. No certification or fee is required.

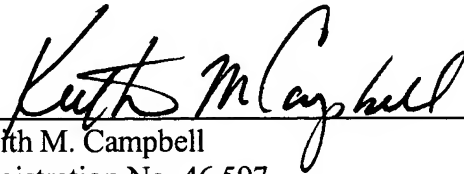
By submitting these references, Applicant does not admit that the references are prior art to or material to this application, and reserves the right to establish that any reference is not prior art. Applicant does not represent that the references have been reviewed in detail; there may be details in the references of which Applicant is unaware.

The Commissioner is authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. 13-2546.

It is respectfully requested that the Examiner consider the above information and that a copy of the enclosed Form PTO-1449 be returned, indicating that such information has been considered.

Respectfully submitted,

Date: April 19, 2005



Keith M. Campbell

Registration No. 46,597

MEDTRONIC, INC.

710 Medtronic Parkway NE, MS: LC340

Minneapolis, MN 55432-5604

Telephone: 763-505-0405

Facsimile: 763-505-0411

**Customer No.: 27581**



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/820,677
Filing Date	April 8, 2004
First Named Inventor	Lisa Shafer
Art Unit	3762
Examiner Name	Not Assigned Yet
Attorney Docket Number	P-10966.00 US

Sheet 1 of 3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,902,501	09-02-1975	Citron et al.	
		US- 4,106,512	08-15-1978	Bisping	
		US- 4,476,868	10-16-1984	Thompson	
		US- 4,692,147	12-08-1987	Duggan	
		US- 5,199,428	04-06-1993	Obel, et al.	
		US- 5,207,218	05-04-1993	Carpentier, et al.	
		US- 5,300,107	04-05-1994	Stokes, et al.	
		US- 5,330,507	07-19-1994	Schwartz	
		US- 5,640,764	06-24-1997	Stronjnik	
		US- 5,660,163	08-26-1997	Schulman, et al.	
		US- 5,750,926	05-12-1998	Schulman, et al.	
		US- 5,791,344	08-11-1998	Schulman, et al.	
		US- 5,800,465	12-01-1998	Thompson, et al.	
		US- 5,876,425	03-02-1999	Gord, et al.	
		US- 5,917,346	06-29-1999	Gord	
		US- 5,957,958	12-28-1999	Schulman, et al.	
		US- 5,999,848	12-07-1999	Gord, et al.	
		US- 6,043,437	03-28-2000	Schulman, et al.	
		US- 6,088,608	07-11-2000	Schulman, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 01/89526	11-29-2001	Tracey		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3**Complete if Known**

Application Number	10/820,677
Filing Date	April 8, 2004
First Named Inventor	Lisa Shafer
Art Unit	3762
Examiner Name	Not Assigned Yet
Attorney Docket Number	P-10966.00 US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,208,894	03-27-2001	Schulman et al.	
		US- 6,258,937	7-10-2001	Tong et al.	
		US- 6,610,713	8-26-2003	Tracey	
		US- 2003/0216792	11-20-2003	Levin et al.	
		US- 2002/116030	08-22-2002	Rezai	
		US- 2002/165586	11-07-2002	Hill et al.	
		US- 5,861,015	1-19-1999	Benja-Athon	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/820,677		
		Filing Date	April 8, 2004		
		First Named Inventor	Lisa Shafer		
		Art Unit	3762		
		Examiner Name	Not Assigned Yet		
Sheet	3	of	3	Attorney Docket Number	P-10966.00 US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Borovikova, Lyudmila et al., "Vagus Nerve Stimulation Attenuates the Systemic Inflammatory Response to Endotoxin," Nature Vol.405 (25 May 2000) 458-462.	
		Tracey, Kevin J., "The Inflammatory Reflex," Nature Vol. 420 (19/26 Dec. 2002) 853-859.	
		Elenkov, Ilia J. et al., "The Sympathetic Nerve – An Integrative Interface between Two Supersystems: The Brain and the Immune System," Pharmacological Reviews Vol. 52: 4 (2000)	
		Straub, Rainer H., et al., "Immunoregulation of IL-6 Secretion by endogenous and Exogenous Adenosine and by Exogenous Purinergic Agonists in Splenic Tissue Slices," Journal o	
		Straub, Rainer H., et al., "Neuronal Regulation of Interleukin 6 Secretion in Murine Spleen: Adrenergic and Opioidergic Control," Journal of Neurochemistry Vol 68:4 (1997) 163	
		Wang, Jijiang, et al., "Synaptic and Neurotransmitter Activation of Cardiac Vagal Neurons in the Nucleus Ambiguus," Annals New York Academy of Sciences 237-246.	
		Kees, Martin G., et al., "Via B-adrenoceptors, Stimulation of Extrasplenic Sympathetic Nerve Fibers Inhibits Lipopolysaccharide-induced TNF Secretion in Perfused Rat Spleen,"	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.